

### Abstract of the disclosure

A method of determining disturbances when discharging molten metal from a metallurgical container having an outlet into a receiving container. In the first step of this process, one directly or indirectly detects mechanical vibrations caused by the discharge of molten metal through the outlet. Thereafter, a second property is measured; the second property so measured varies during the discharge of molten metal from the first metallurgical container to the receiving container. Then, one calculates a sensitivity constant based upon the measuring of the second property. Thereafter, a comparison is made between the vibrations detected by the measuring device with a desired vibrational characteristic, wherein the desired vibrational characteristic is defined in part by the sensitivity constant; the comparison is analyzed to determine the existence of the disturbances within the outlet, and actions are then taken to cause the disturbance(s) to cease.